

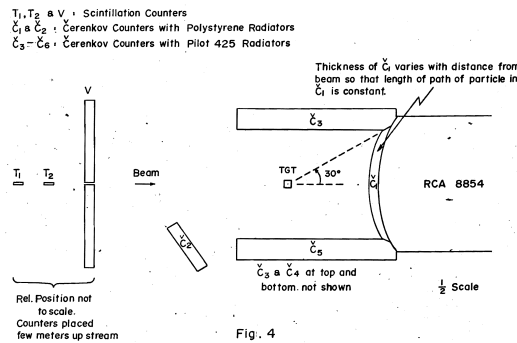
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Reminiscences of Wit Busza and 41 Years of p+A Physics

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Abstract

I served on Bob Wilson's Program Advisory Committee at NAL (now Fermilab) from 1972-1975. One of the more memorable (and easiest) proposal to deal with was Proposal-178, "A STUDY OF THE AVERAGE MULTIPLICITY AND MULTIPLICITY DISTRIBUTIONS IN HADRON-NUCLEUS COLLISIONS AT HIGH ENERGIES", with only 4 authors, Wit Busza, Jerry Friedman, Henry Kendall and Larry Rosenson, as presented at the PAC meeting by Wit. What I remember is that he discussed only ONE 5 inch photomultiplier with a Cherenkov radiator in the beam to make this measurement of production of charged particles with angles up to 30° in various nuclei (40 Hours requested), which turned out to be a "seminal" experiment leading to the Wounded Nucleon and other participant models. I found a copy of the proposal and the actual layout (OK a few more counters!)



Other p(d)+A experiments from the AGS to RHIC, as well as $\alpha - \alpha$ at the ISR, will be briefly discussed together with the various 'participants' that they revealed.